

# MHRHF-5

Five Conductor MHR - Mini High Resolution  
Halogen-Free Cable



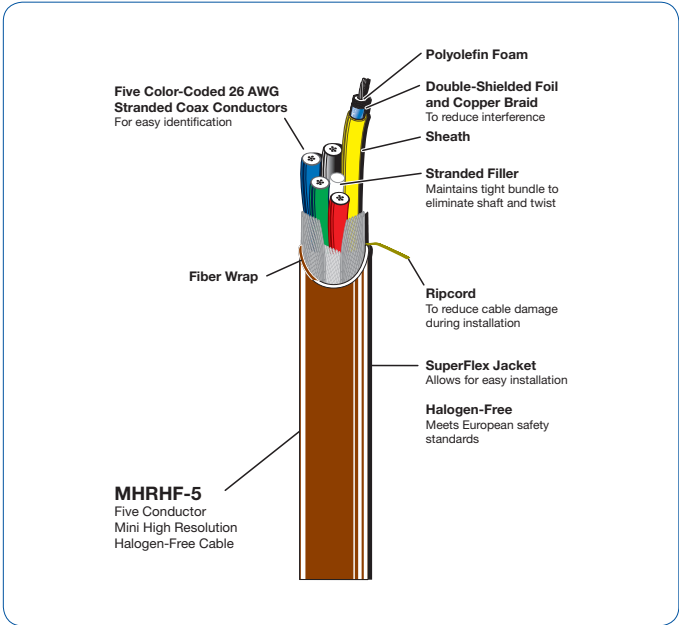
## FEATURES

- **International Bulk Cable for use in Europe** — The Extron MHRHF-5 Halogen-Free cable features five mini high resolution coax conductors wrapped in a halogen-free jacket that meets specific European safety code requirements. It is ideally suited for use in underground tunnel construction and railway environments where the concern is the introduction of contaminants into the air in the event of a fire.
- **Five 26 AWG, 75 ohm coaxial conductors in a single jacket** — This mini high resolution cable includes five 26 AWG, 75 ohm coaxial color-coded conductors. Each conductor is individually double-shielded with foil and tinned copper serve to reduce interference.
- **High resolution video signal distribution** — Lighter, smaller in diameter, and more convenient to install than standard coaxial cable, Extron MHRHF-5 Halogen-Free cable offers excellent performance for high resolution video signal distribution. The cable is sweep tested from .3 Mhz to 1300 Mhz.
- **LSFOH Low Smoke and Fumes Zero Halogen jacket meets IEC flame, smoke & corrosivity tests** — The MHRHF-5 Halogen-Free cable is LSFOH Low Smoke & Fumes Zero Halogen cable that passes IEC 332-3 flame test, the IEC 61034 smoke test, and the IEC 754-1 corrosivity test.
- **Spools of 150 meters & 300 meters**

## DESCRIPTION

The Extron **MHRHF-5** Cable is a five conductor coaxial cable wrapped in a halogen-free jacket. The MHRHF-5 Halogen-Free Cable is a LSFOH - Low Smoke & Fumes Zero Halogen cable that passes the IEC 332-3 flame test, the IEC 61034 smoke test, and the IEC 754-1 corrosivity test, so it is ideal for meeting specific European safety code requirements. Applications for this cable include underground tunnel construction and railway environments where a primary concern is the introduction of contaminants into the air in the event of a fire.

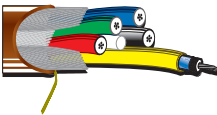
MHRHF-5 Halogen-Free Cable is ideal for applications using RGB signals, such as routing computer-video signals via interfaces, switchers, or distribution amplifiers to projectors or monitors. This cable is easier to pull than multiple, single-BNC cables. The MHRHF-5 Halogen-Free Cable carries red, green, blue, and separate horizontal and vertical sync on five conductors. Each conductor is a 26 AWG, 75 ohm, coaxial conductor, color-coded, and wrapped in a single jacket.



MODEL	VERSION DESCRIPTION	PART #
MHRHF-5/150	150 m spool.....	22-126-02
MHRHF-5/300	300 m spool.....	22-126-03

Continued →

## MHRHF-5

Description	UL NEC/ C(UL) CEC UL AWM Temp.	No. of Cond.	Standard Lengths		Shipping Weights		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials (% coverage) Nom. DCR	Nominal OD		Nom. Imp. (ohms)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/ft	pF/m	MHz	dB/ 100 ft	dB/ 100 m
(5) 26 AWG MiniatureCoax • Aluminum Foil (100%) + Tinned Copper Serve Shield																			
Nonplenum Cable • Gas-injected Foamed Polyolefin Insulation • Halogen-Free Polyolefin Inner Jackets • Orange Halogen-Free Polyolefin Outer Jacket																			
<div>22-126-02 (150 m)</div> <div>22-126-03 (300 m)</div> <div>MHRHF-5</div> <div></div> <div>min. bend radius 4.0"</div>	NEC CL2 LSFOH IEC 322-3 75 °C	5 coax	492.1	150	27	12.2	26 AWG (7/34) 0.019"	0.076	1.93	Alum. Foil (100%) Tinned Cu Braid (95%) 12.2 ohms/ 1k ft, 40.0 ohms/ 1 km	Single: 0.105 2.67 red, green, blue, black, yellow  Overall: 0.360 9.14 orange	75	81%	16.7	54.8	1	-0.5	-1.7	
			984.3	300	71	32.2	0.48 mm, Tinned Cu 41 ohms/ 1k ft, 135 ohms 1 km									5	-1.2	-3.9	
																10	-1.7	-5.5	
																20	-2.4	-7.8	
																50	-3.8	-12.3	
																71	-4.5	-14.8	
																100	-5.4	-17.6	
																135	-6.3	-20.6	
																180	-7.3	-23.9	
																200	-7.7	-25.4	
																270	-9.1	-29.9	
																400	-11.5	-37.3	
																750	-16.4	-53.8	
																1000	-19.5	-64.0	
																3000	-43.6	-143.0	
Sweep tested 5 MHz to 850 MHz. Guaranteed return loss: -20 dB max.																			

NOTE: Specifications are subject to change without notice.

## MHRHF-5 Accessories

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
<b>Crimp Tools</b>			
CTU 300	Universal Crimp Tool .....	page 738	100-241-02
Hand Wire Stripper	Wire Stripper for 14 to 24 AWG Cables .....	page 739	100-242-01
MHR Universal Crimp Termination Kit	Crimp Termination Kit with 100 MHR BNC Male Connectors.....	page 739	100-266-02
<b>Crimp Connectors</b>			
BNC Male MHR Crimp Connectors/50	75 Ohm BNC Male Crimp Connectors for MHR Cable, Qty. 50 .....	page 741	100-250-01
BNC Female MHR Crimp Connectors/50	75 Ohm BNC Female Crimp Connectors for MHR Cable, Qty. 50.....	page 742	100-253-01
<b>Strain Reliefs</b>			
MHR Strain Reliefs Assorted/50	Strain Reliefs for MHR Crimp Connectors - Assorted Colors, Qty. 50 .....	page 744	70-089-07
<b>Compression Tools</b>			
CTU 100	Extron Universal Compression Tool .....	page 745	100-181-01
Compression Coax Prep Tool	Coaxial Cable Stripper for MHR, RG59, and RG6 Compression Connectors .....	page 746	100-183-01
Compression Coax Prep Tool Replacement Blades	Coaxial Cable Stripper for MHR, M59, RG59, and RG6 Compression Connectors...	page 746	100-184-01
MHR BNC Compression Kit	Compression Termination Kit with 100 MHR BNC Male Connectors.....	page 746	60-538-01
<b>Compression Connectors</b>			
BNC Male MHR Compression Connectors - Nickel/50	Nickel Plated BNC Male Compression Connectors for MHR Cable, Qty. 50.....	page 748	100-186-01
BNC Male MHR Compression Connectors - Gold/50	Gold Plated BNC Male Compression Connectors for MHR Cable, Qty. 50.....	page 748	100-186-02
RCA Male MHR Compression Connector- Nickel/50	Nickel Plated RCA Male Compression Connectors for MHR Cable, Qty. 50.....	page 748	100-302-01
RCA Male MHR Compression Connector- Gold/50	Gold Plated RCA Male Compression Connectors for MHR Cable, Qty. 50.....	page 748	100-302-02
<b>Miscellaneous</b>			
BNCF-BNCF PM/10	BNC Female to Female Gender Changer, Panel Mount - Qty. 10 .....	page 793	100-228-01
BNC bulkhead connectors/50	BNC Female Bulkhead Solder Cup Connectors, Qty. 50.....	page 753	100-076-51
MHR Ferrite Bead/10	Ferrite Bead for Use with MHR Cable, Qty. 10 .....	page 744	100-077-51

For Bulk Pins, Ferrules, Sleeves and Bodies, see page 743.